

WHAT IS CLAIMED IS:

- 1     1.     An EMI suppressing cable, comprising:  
2             a core wire bundle, including a plurality of core wires  
3     which are respectively covered with insulative covering layers;  
4             a ferrite compound-mixed resin layer, covering the core  
5     wire bundle; and  
6             a sheath layer, covering the ferrite compound-mixed  
7     resin layer.
  
- 1     2.     The EMI suppressing cable as set forth in claim 1, wherein  
2     a shielding layer is interposed between the core wire bundle  
3     and the ferrite compound-mixed resin layer.
  
- 1     3.     The EMI suppressing cable as set forth in claim 1, wherein  
2     the ferrite compound-mixed resin layers are formed by an  
3     extrusion formation.
  
- 1     4.     The EMI suppressing cable as set forth in claim 2, wherein  
2     the shielding layer is comprised of a flexibility conductive  
3     material having at least one of a metal-braided wire layer,  
4     a metal tape layer and a metal foil.
  
- 1     5.     The EMI suppressing cable as set forth in claim 2, wherein  
2     the ferrite compound-mixed resin layer is a ferrite

3 compound-mixed resin tape in which ferrite powders are evenly  
4 compound within resin; and  
5 wherein , the ferrite compound-mixed resin tape covers  
6 the shielding layer.

1 6. The EMI suppressing cable as set forth in claim 5, wherein  
2 the ferrite compound-mixed resin tape is spirally wound on the  
3 shielding layer around an axis direction of the core wire bundle.

1 7. The EMI suppressing cable as set forth in claim 5, wherein  
2 the ferrite compound-mixed resin tape is wound on the shielding  
3 layer in a direction perpendicular to an axis direction of the  
4 core wire bundle.

1 8. A method of producing an EMI suppressing cable,  
2 comprising the steps of:

3 providing a core wire bundle which includes a plurality  
4 of core wires respectively covered with insulative covering  
5 layers;

6 covering the core wire bundle with a shielding layer;

7 covering the shielding layer with a ferrite  
8 compound-mixed resin layer; and

9 covering the ferrite compound-mixed resin layer with  
10 a sheath layer.

1     9.     The method as set forth in claim 8, wherein the ferrite  
2     compound-mixed resin layers are formed by an extrusion formation.

1     10.    The method as set forth in claim 8, wherein the shielding  
2     layer is comprised of a flexibility conductive material having  
3     at least one of a metal-braided wire layer, a metal tape layer  
4     and a metal foil.

1     11.    The method as set forth in claim 8, wherein the ferrite  
2     compound-mixed resin layer is a ferrite compound-mixed resin  
3     tape, and the method further comprising the step of covering  
4     the shielding layer with the ferrite compound-mixed resin tape  
5     formed by adjusting a mixing ratio of ferrite powders in the  
6     resin so that the ferrite powders is evenly compound in the  
7     resin.

1     12.    The method as set forth in claim 11, wherein the ferrite  
2     compound-mixed resin tape is spirally wound on the shielding  
3     layer around an axis direction of the core wire bundle while  
4     adjusting a winding pitch.

1     13.    The method as set forth in claim 11, wherein the ferrite  
2     compound-mixed resin tape is wound on the shielding layer in  
3     a direction perpendicular to an axis direction of the core wire  
4     bundle.